

CLAIMS

1. A package (100) for individually presenting at least one screw (110) comprising a shank and a head, in particular for an osteosynthesis screw (110), the package
5 being characterized in that it comprises a tube (102) suitable for being held in the hand and presenting a first end (102a) and a second end (102b), said tube (102) being provided with at least one housing (106) for receiving said screw (110) in unitary manner, said
10 housing (106) presenting an opening (106a) into said first end (102a), and closure means (104; 116) closing said housing (106) in sealed manner and suitable for being opened, said housing (106) extending in a longitudinal direction and presenting a first portion
15 (106b) for receiving said shank of the screw (110) and a second portion (106c), said second portion (106c) being larger than the first portion (106b) and being suitable for receiving said head of the screw (110) pressed thereagainst, said second end (102b) serving as a stand
20 suitable for pressing against a substantially horizontal plane, in particular in order to give access to the screw (110) situated in said housing (106) via said opening (106a) when said closure means (104; 116) are open, with said stand extending perpendicularly to said longitudinal
25 direction.
2. A package (100) according to claim 1, characterized in that said tube (102) is cylindrical and of cross-section that is at least partially circular.
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3. A package (100) according to either preceding claim, characterized in that said closure means comprise a stopper (104); and in that said housing (106) presents a third portion (106d) larger than the second portion
35 (106c) that is adjacent thereto, said third portion (106d) being suitable for receiving said stopper (104)

tightly so as to close said housing (106) in reversible manner.

5 4. A package (100) according to any preceding claim, characterized in that said closure means comprise a perforatable film (116) covering said opening (106a).

10 5. A package (100) according to any preceding claim, characterized in that said second portion (106c) present at least one first fraction in the form of a truncated cone flaring from the first portion (106b) towards said opening (106a), said head of the screw (110) coming to press against said truncated cone shape.

15 6. A package (100) according to any preceding claim, characterized in that between said second portion (106c) and said first portion (106b), there is formed a shoulder (106e) provided with a bearing face (106f) facing towards said opening (106a), said head of the screw (110) coming
20 to press against said face (106f) that is substantially plane.

7. A package (100) according to any preceding claim, characterized in that the tube (102) has a second housing
25 (108) for receiving a second screw (112) in unitary manner, said second housing (108) presenting an opening (108a) opening out into said second end (102b), and second closure means (104; 116) closing said second housing (108) in sealed manner and suitable for being
30 opened, said second housing (108) extending in a longitudinal direction and presenting a first portion (108b) for receiving said shank of the second screw (112) and a second portion (108c), said second portion (108c) being larger than the first portion (108b) and being
35 suitable for receiving said head of the second screw (112) pressed thereagainst, said first end (102a) serving as a stand suitable for pressing against a substantially

horizontal plane, in particular in order to allow access to the screw (112) situated in said second housing (108) via said opening (108a) of said second housing (108) when said closure means (104; 116) are open, said stand being
5 perpendicular to said longitudinal direction.

8. A package (100) according to any preceding claim, characterized in that said tube (102) is hollow and in that said housing (106) is formed in a tubular part (114)
10 disposed at least in part inside said tube (102), a closed space being formed between said tube (102) and said tubular part (114).

9. A package (100) according to any preceding claim,
15 characterized in that said tube (102) carries at least one identification medium (122) carrying visible information relating to said screw (110), said visible information comprising a bar code.

20 10. An assembly (200) for packaging and presenting individually a series of screws (110) each comprising a shank and a head, in particular for osteosynthesis screws (110), the assembly being characterized in that it includes at least two packages (100) according to any one
25 of claims 1 to 9 each containing a said screw (110) in its housing (106), and the assembly further comprising an envelope (202) enabling said packages (100) to be interconnected, by holding them one by one in sealed manner in the form of a string.

30 11. An assembly (300) for packaging and presenting individually a screw (110) comprising a shank and a head, in particular an osteosynthesis screw (110), the assembly being characterized in that it comprises a protective and
35 packaging case (302) surrounding a package (100) according to any one of claims 1 to 9, said package (100) containing said screw (110) in its housing (106).

12. An assembly (300) according to claim 11,
characterized in that said protective and packaging case
(302) is made of plastics material in the form a rigid
5 portion (304) defining a space (306) containing said
package (100) and a flexible portion constituting a heat-
sealable film (308) closing said space (306) in sealed
manner and suitable for being withdrawn by hand.
- 10 13. An assembly (400) for packaging and presenting an
osteosynthesis equipment set, said osteosynthesis
equipment set comprising at least one osteosynthesis
screw (110) and at least one plate, the assembly being
characterized in that it comprises a dish (402), a heat-
15 sealable film (408) closing said dish (402) and co-
operating therewith to define a storage space (406), said
plate being disposed in said storage space, and a package
(100) according to any one of claims 1 to 9 and
containing a said screw (110) in its housing (106), said
20 package (100) being disposed in said storage space (406).
14. An assembly (400) according to claim 13,
characterized in that it further comprises at least one
insert (410) placed in said storage space (406) and
25 provided with at least one cavity (412) for receiving at
least one osteosynthesis plate.
15. An assembly according to claim 14, characterized in
that said cavity includes retaining means (414) enabling
30 said plate to be positioned.
16. An assembly according to claim 14 or claim 15,
characterized in that said insert (412) is also fitted
with at least one cell (416) for receiving at least one
35 osteosynthesis screw (110).

17. An assembly (500) for packaging and presenting an osteosynthesis equipment set, said osteosynthesis equipment set comprising at least one osteosynthesis screw (110) and at least one plate, the assembly being
5 characterized in that it comprises a rigid support (502) defining a plurality of storage compartments including at least one storage compartment of a first type (504) in which a package (100) according to any one of claims 1 to 9 containing a said screw (110) is inserted, and at least
10 one storage compartment of a second type (506) for receiving at least one osteosynthesis plate (130).

18. An assembly (500) according to claim 17, characterized in that said storage compartments further
15 comprise at least one storage compartment of a third type (508) in which there is housed an osteosynthesis tool (120).

19. An assembly (500) according to claim 17 or claim 18,
20 characterized in that said rigid support (502) includes at least two storage compartments of the first type (504) each receiving a package (100) according to any one of claims 1 to 9 and each containing a screw (110).

25 20. An assembly (500) according to any one of claims 17 to 19, characterized in that said rigid support (502) further includes at least one storage compartment of a third type (508), and at least one drill bit and/or screwdriver blade (120) matching said screw(s) (110) and
30 placed in said storage compartment of the third type (508) of the rigid support (502).

21. An assembly (500) according to any one of claims 17 to 20, characterized in that said rigid support (502)
35 further includes at least one storage compartment of a fourth type (510), and at least one screwdriver (120)

disposed in said storage compartment of the fourth type (510) of the rigid support (502).

22. An assembly (500) according to claim 21,
5 characterized in that said screwdriver (120) comprises a handle portion provided with a rear segment for being placed in the hollow of the hand, and a front segment mounted to turn relative to the rear segment and suitable for carrying the screwdriver blade (120).

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23. A packaging and presentation assembly (500) according to any one of claims 17 to 22, characterized in that said rigid portion (502) forms a bottom portion, and in that the assembly further includes a lid portion (520), said
15 lid portion (520) being suitable for co-operating in reversible manner with said bottom portion (502) between an open position and a closed position, and in that in said closed position, said lid portion (520) is suitable for holding said package (100) in said storage
20 compartment of the first type (504) and for holding said osteosynthesis plate (130) in said storage compartment of the second type (506).

24. A packaging and presentation assembly (500) according to claim 23, characterized in that said lid portion (520)
25 presents a storage space (532) in its face facing away from said bottom housing, the storage space containing a dummy plate and being closed in sealed manner by a heat-sealable film (534) suitable for being withdrawn by hand.

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25. A packaging and presentation assembly (200; 300; 400; 500) according to any one of claims 10 to 24, characterized in that it further includes an identification medium (522) presenting visible
35 information associated with said osteosynthesis screw (110), said visible information comprising a bar code.

26. A protective assembly (600), characterized in that it comprises a packaging and presentation assembly (200; 300; 400; 500) according to any one of claims 10 to 25, a protective dish (610) forming a container for said
5 packaging and presentation assembly (200; 300; 400; 500); and a heat-sealable film (620) suitable for being withdrawn by hand and closing said protective dish (610) in sealed manner.
- 10 27. A protective assembly (600) according to claim 26, characterized in that it further comprises an outer protective and packaging case (630) surrounding said dish (610).
- 15 28. A protective assembly (600) according to claim 27, characterized in that said outer protective and packaging case (630) carries visible recognition means (640) for identifying the type of osteosynthesis equipment contained in said packaging and presentation assembly
20 (200; 300; 400; 500).
- 25 29. A protective assembly (600) according to claim 27 or claim 28, characterized in that said outer protective and packaging case (630) comprises a bottom portion and a lid portion movable relative to each other between an open position and a closed position, and in that said outer protective and packaging case (630) further includes reversible closure means disposed on said bottom portion and on said lid portion and suitable for co-operating in
30 said closed position.